STRUCTURED ADAPTIVE FREQUENCY HOPPING

ABSTRACT

The invention generally provides a method of intelligent frequency hopping such as in Bluetooth and Home RF networks. The method (100) includes the acts of sampling a plurality of channels in a frequency band and identifying each channel as a good channels or a bad channel (110), determining the size of a good window and the size of a bad window (120), and assigning a plurality of good channels to a good window (130) and a plurality of bad channels to a bad window (140). Accordingly, the method increases the reliability and throughput of wireless networks.